2.2 Thermometers Name:\_\_\_\_\_\_\_\_

**1)**   
What is a thermometer

**2)** What were the first thermometers called

3) Who invented the first thermometer that allowed temperature variations (differences in temperatures) to be measured in 1593

4) Who in invented the first mercury thermometer in 1714

5) Anders Celsius based his thermometer on the melting point and boiling point of water.

1. What is the boiling point of water at sea level
2. What is the melting point of water at sea level
3. If I add salt to solid water (like snow) what will happen to the melting point
4. What practical uses does adding salt to solid water have (how can I use this in my life)
5. If I add salt to water, what will happen to the boiling point of water
6. If I took a beaker full of water to Mount Everest, how would the boiling point of water change

6) In our classroom we have been using thermometers in our States of Matter Experiments. There is a red fluid in the bore of the thermometer. What is that red fluid

7) The liquid in the thermometer rises when heated. How does this happen

8) What temperature does water freeze at on the Fahrenheit scale

9) What temperature does water boil at on the Fahrenheit scale

10) What temperature does water freeze at on the Kelvin Scale

11) What temperature does water boil at on the Kelvin scale

12) What temperature is 20 degrees Celsius on the Kelvin Scale

13) What temperature is Absolute zero on the Kelvin scale

14) What is absolute zero on the Celsius scale